PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HYUNSUN PARK	05/21/2021
JUN-WOO JANG	05/21/2021
YOOJIN KIM	05/21/2021
CHANNOH KIM	05/21/2021

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	17330229	

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DATE SIGNED:	05/25/2021

Total Attachments: 2

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PATENT REEL: 056348 FRAME: 0121

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

	DECLAR	ATION
As a below-named inventor, I here	by declare that this de	claration is directed to the application attached hereto,
or to United States Application Nur	nber or PCT Internatio	onal Application Number
file	d on	(if applicable), entitled:
		VOLUTION OPERATION, FETCHER, AND ATION APPARATUS
The above-identified application was	as made or authorized	to be made by me.
I believe I am the original inventor application.	or an original joint inve	entor of a claimed invention in the above-identified

I have reviewed and understand the contents of the above-identified application, including the claims.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

ASSIGNMENT

For valuable consideration. I. as a below-named assignor, hereby assign to:

1001 by fine or imprisonment of not more than five (5) years, or both.

SAMSUNG ELECTRONICS CO., LTD.

129, Samsung-ro, Yeongtong-gu Suwon-si, Gyeonggi-do 16677 Republic of Korea

and its successors and assigns (coll	ectively hereinafter calle	d "the Assignee"), the entire right, title, and
interest throughout the world in the i	nventions and improverr	ents that are the subject of the application
identified in the above declaration, w	hich is United States Ap	plication Number or PCT International Application
Number17/330,229	filed on May	25, 2021

I authorize and request the attorneys appointed in the above-identified application to hereafter complete this Assignment by inserting above the application number and the filing date of the above-identified application when known, and to correct any typographical errors that may be discovered in this Assignment.

This Assignment includes the above-identified application, any and all United States and foreign patents, utility models, and design registrations granted for any of the inventions and improvements that are the subject of the above-identified application, and the right to claim priority based on the filing date of the aboveidentified application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations, like rights of exclusion, and inventors' certificates for any of the inventions and improvements that are the subject of the above-identified application; and I agree for myself and my heirs, legal representatives, and assigns without further compensation to perform such lawful acts and to sign such

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COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

further applications, Assignments, preliminary statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

In witness whereof, I, as a below-hamed inventor and assignor, intending to be legally bound, have hereunto affixed my signature on the date indicated below next to my signature.

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